



ICARUS

PELLET: \$50,000
FILAMENT: \$35,000

HIGH-FLOW 3D PRINTING SYSTEMS

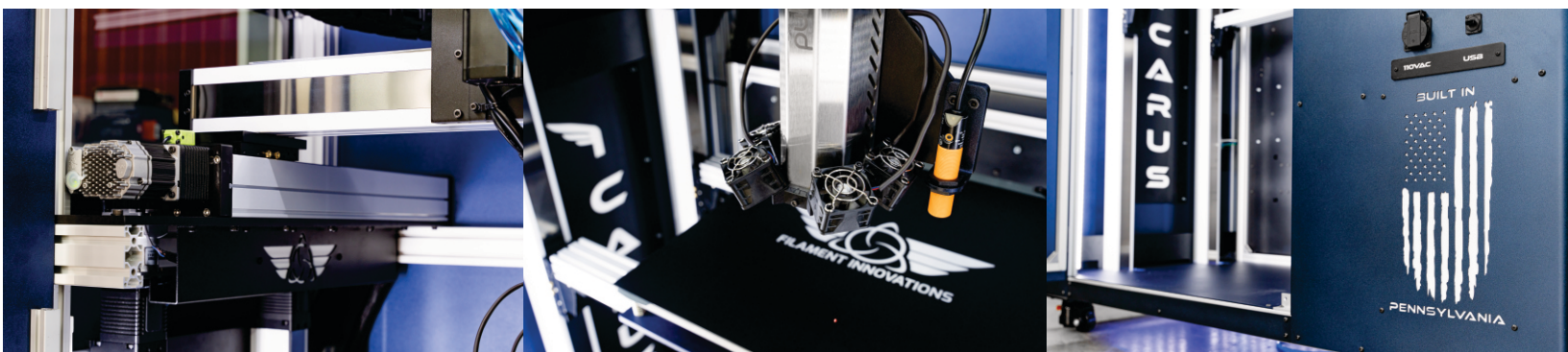
The ICARUS 3D Printer, by Filament Innovations, was created for High-Flow 3D Printing. High-Flow 3D Printing means larger objects can be printed in a fraction of the time. Our newest ICARUS model brings turn-key Pellet extrusion to the masses with full integration of the Dyze Design Pulsar and Venturi feeding systems, at 3-5lbs per hour flow rate. A filament option, using the Typhoon FDM extrusion system is available using the new air-cooled version from Dyze Design.

What else makes the ICARUS stand out from others? First Layer Laser Scanning, USA Made Servo Motors, Enclosed Ballscrews, Tuned Profiles.

ONE PRICE. ONE ECOSYSTEM. BUILT IN THE USA.

SPECIFICATIONS

- **MACHINE SIZE (W,D,H):** 60"x34"x75"
- **WEIGHT:** ~ 500lbs
- **PRINT AREA (PELLET):** 450X450x945mm
- **PRINT AREA (FILAMENT):** 450x450x1000mm
- **MOTORS:** USA MADE SERVO MOTORS
- **MOTION:** TBI ENCLOSED PRECISION BALLSCREWS
- **EXTRUSION:** PULSAR (FGF) OR TYPHOON (FDM)
- **PRINT MONITORING:** ORTHUS - JAM & RUNOUT
- **PRINT SURFACES:** PEI, BUILDTAK, STEEL
- **PRINT PLATE:** MAGNETIC SPRING STEEL
- **BUILD PLATE:** 3/8" MIC-6
- **MAX PRINT TEMPERATURE:** 450C
- **MAX BED TEMPERATURE:** 120C
- **TEMPERATURE PROBE(S):** PT100
- **BED LEVELING:** FOUR Z AXIS TILT & MESH
- **LASER SCANNING:** FIRST LAYER SCAN
- **ELECTRONICS:** DUET 3 ECOSYSTEM
- **MACHINE POWER:** 110VAC OR 220VAC
- **TOUCHSCREEN:** 7" & 15"
- **CONNECTIVITY:** WIFI, ETHERNET, USB
- **WATER-COOLING:** PELLET ONLY
- **SLICER:** SIMPLIFY3D



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ARES

FULLY EQUIPPED AT
\$79,000.00

COMPLETE PELLET 3D PRINTING SYSTEMS

The ARES 3D Printer, by Filament Innovations, was created to allow everyone to have access to a complete pellet extrusion system. The purchase price includes the printer, a 25kg pellet dryer, and one copy of the ODIN slicer. ODIN was developed by Filament Innovations to make slicing for pellet extrusion simpler and easier.

With the price of pellets roughly 50% cheaper than filament, and an output rate of 3 - 5 lbs per hour, both material costs and print times decrease.

ONE PRICE. ONE ECOSYSTEM. BUILT IN THE USA.



SPECIFICATIONS

- **MACHINE SIZE (W,D,H):** 71"x35"x76"
- **WEIGHT:** ~650lbs
- **PRINT AREA (X,Y,Z):** 850x450x925mm
- **MOTORS:** LEADSHINE CLOSED-LOOP
- **MOTION:** ENCLOSED PRECISION BALLSCREWS
- **EXTRUSION:** DYZE DESIGN PULSAR FGF SYSTEM
- **PELLET FEEDING:** PNEUMATIC VENTURI SYSTEM
- **PRINT SURFACES:** PEI, BUILDTAK, STEEL
- **PRINT PLATE:** MAGNETIC SPRING STEEL
- **BUILD PLATE:** 3/8" MIC-6
- **MAX PRINT TEMPERATURE:** 450C
- **MAX BED TEMPERATURE:** 120C
- **BED LEVELING:** FOUR Z AXIS TILT & MESH
- **ELECTRONICS:** DUET 3 ECOSYSTEM
- **TOUCHSCREEN:** 15" AND 7"
- **CONNECTIVITY:** ETHERNET, WiFi, USB
- **WATER-COOLING:** ON-BOARD S&A CW-3000
- **MACHINE POWER:** 110VAC 20AMP
- **DRYER POWER:** 110VAC 15AMP
- **DRYER CAPACITY:** 25kg

FACILITY REQUIREMENTS

100PSI COMPRESSED AIR FOR THE ARES - 100PSI COMPRESSED AIR FOR THE PELLET DRYER

PELLETS

DYZE DESIGN - PULSAR

MATERIAL: PELLET

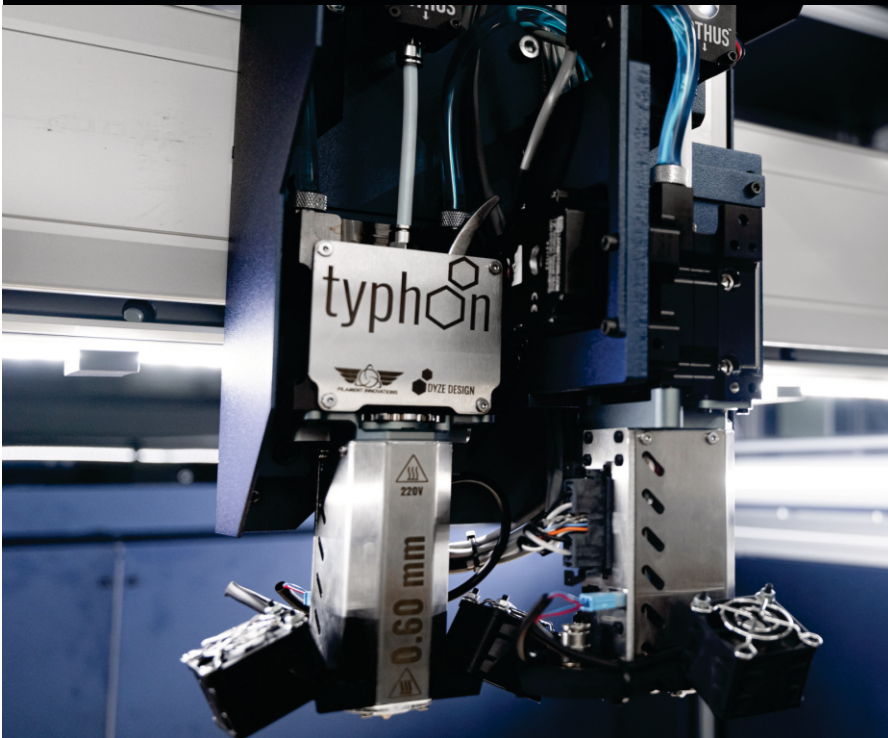
OUTPUT: 3-5 LBS PER HOUR

NOZZLE (MM): 1.0 THROUGH 5.0

NOZZLE TYPE: TOOL STEEL

ARES

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CUSTOMIZED 3D PRINTING SYSTEMS

The POSEIDON 3D Printer, by Filament Innovations, was designed to be a hybrid platform, meaning FGF and FDM 3D Printing is inside one machine. For one price, this machine can meet all your 3D Printing requirements. Our one price solution includes over a 1M3 build area, pellet extrusion, high-flow filament extrusion, 25kg pellet dryer, and the ODIN slicing software.

Customization is key at Filament Innovations, and the extrusion gantry can be customized to the user's needs. Perhaps you want dual-filament extrusion? Or pellet only? We can do it.

ONE PRICE. ONE ECOSYSTEM. BUILT IN THE USA.

SPECIFICATIONS

- **MACHINE SIZE (W,D,H):** 92"x70"x88"
- **WEIGHT:** ~2,000lbs
- **PRINT AREA (X,Y,Z):** 1060x1080x1050mm
- **X&Y MOTORS:** TEKNIC SERVOS
- **MOTION:** HIGH-SPEED BELT SYSTEM (500mm/s)
- **EXTRUSION:** PELLETT AND HIGH-FLOW FILAMENT
- **PELLET FEEDING:** PNEUMATIC VENTURI SYSTEM
- **PRINT SURFACES:** PEI, BUILDTAK, G10/FR4, STEEL
- **PRINT PLATE:** MAGNETIC SPRING STEEL
- **BUILD PLATE:** 3/8" MIC-6
- **MAX PRINT TEMPERATURE:** 450C
- **MAX BED TEMPERATURE:** 120C
- **BED LEVELING:** FOUR Z AXIS TILT & MESH
- **ELECTRONICS:** DUET 3 ECOSYSTEM
- **TOUCHSCREEN:** 15" AND 7"
- **CONNECTIVITY:** ETHERNET, WiFi, USB
- **WATER-COOLING:** ON-BOARD S&A CW-3000
- **MACHINE POWER:** 220/240VAC 50AMP
- **DRYER POWER:** 110VAC 15AMP
- **DRYER CAPACITY:** 25kg

FACILITY REQUIREMENTS

100PSI COMPRESSED AIR FOR THE POSEIDON - 100PSI COMPRESSED AIR FOR THE PELLETT DRYER

